Application Serial No.: 10/582,408 Art Unit: 3742

AMENDMENTS TO THE ABSTRACT

Please replace the abstract with the following Replacement Abstract:

The invention relates to an An orbital welding device is for mobile use in order to join a first pipe [[(1)]] and a second pipe end [[(2)]] along a circumferential joint [[(3)]] by at least one weld seam [[(4)]], particularly for producing a pipeline [[(5)]] to be placed on land. The inventive welding device includes a guide ring [[(6)]], which can be oriented toward the first pipe end [[(1)]] and the circumferential joint [[(3)]], and an orbital carriage [[(7)]] that can be motor-displaced along the guide ring [[(6)]] via an advancing device [[(8)]]. On the orbital carriage [[(7)]], a laser welding head [[(12)]] for directing a laser beam [[(10)]] into a laser welding zone [[(13)]] is mounted in a manner that enables it to be oriented toward the circumferential joint-(3) whereby enabling the production of the weld seam (4) along the eircumferential joint (3) by displacing the orbital carriage (7). The laser beam (10) is produced by a high power fiber laser beam source (9) located, in particular, on a mobile transport vehicle (35) while being situated at a distance from the orbital carriage (7), is guided by light guide (11) passing through a tube bundle (50) to the orbital carriage (7) and then supplied to the welding head (12). A significant advantage of the invention resides in the fact that relates to the joining of two pipe ends by only one single welding process during a short period of time is made possible in the field with autonomous operation.